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Bruce, Here are my quick thoughts on the outline.

I. INTRODUCTION

Purpose of this document: Describes all key aspects of the Ecosystem Program. Not necessarily in detail, at least a framework. Consistent with Scientific Peer Review Panel comments.

Plan organization framework, built around the following questions (each followed by a one-paragraph to two-page summary of the answer):

1. What kind of ecosystem do we have? Highly modified, need recounting of historical changes. Also include non-judgmental description of conditions (e.g., fish abundance) that set stage for defining problems as the difference between what we want and what we have.

2. What kind of ecosystem do we want? State the four goals

3. What kind of ecosystem can we have? Better than we now have. As close to goals as we can get, closer in some cases than in others.

4. How do we get it? Five principles

- a. Simultaneous use of two approaches:

Ecosystem management

Management of specific species using an ecosystem approach.

Ecosystem means consideration of all important factors (physical habitat, contaminants, harvest, diversions, entrainment, etc.). This consideration could lead to measures that are broad in nature (e.g., control contaminants throughout watershed) and measures that are specific (e.g., remove obstruction to migration in a specific stream). This means that the Ecosystem Program must have broad authority, short of regulatory authority (which would remain with the existing agencies), to deal with all of these factors. (The ad hoc committee on Ecosystem structure and process has a list of functions that could be included somewhere in this document.)

- b. Simultaneous measures to both reduce mortality and to increase productivity, with ongoing consideration of the relationships between the two.
- c. Consideration of the ecological differences in different parts of the system and the tailoring of programs and projects to be appropriate to the conditions in each part of the ecosystem.
- d. Use of the Ecosystem Program to help meet other CalFed objectives, such as water supply and levee stability.
- e. Carried out using an adaptive management process.

LEAVE OUT THE TWO BULLETS, "INTRODUCE CONCEPT ..." AND "INTRODUCE ECO ..."

LAST THREE BULLETS, UP TO YOU, BRUCE.

II. RESOURCE CONDITIONS (What Kind of Conditions Do We Have?)

III. GOALS AND OBJECTIVES (What Do We Want and What Can We Have?)

Establish overall goals (this is what we want)

1., 2., 3., 4.

The remainder of this section would answer the what-can-we-have question. I think it should list all of the things we know we can do (that is, the programs and projects we know we can carry out) and also describe the uncertainties and other factors that make achieving what we want uncertain. This would set the stage for defining the adaptive management process and the associated research/monitoring program.

IV. IMPLEMENTATION (How Do We Do It?)

Institutional structure

The decision process, including adaptive management process, what it is and how it works.

etc.

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